

APPENDIX A**MARKED UP VERSION INDICATING AMENDMENTS TO THE SPECIFICATION
AND CLAIMS, AND INDICATING NEW OR CANCELLED CLAIMS****IN THE CLAIMS**

***Changes to the claims are as follows:

72. (amended) A method for screening catalysts for a reaction of interest, the method comprising

simultaneously feeding one or more reactants through six or more reaction vessels, each of the six or more vessels comprising an inlet in fluid communication with an entrance control volume, an outlet in fluid communication with an exit control volume, and a different candidate catalyst in the reaction vessel,

controlling the flowrate of the one or more reactants to be about the same in the six or more vessels by simultaneously flowing the reactants through six or more flow restrictors, each of six or more flow restrictors providing fluid communication between one of the six or more vessels and the entrance control volume,

contacting the six or more different candidate catalysts with the one or more reactants in the six or more reaction vessels under reaction conditions for the reaction of interest,

[discharging reaction products and unreacted reactants, if any, from the six or more reaction vessels,

sampling the discharged reaction products or unreacted reactants with a sampling probe, the sampling probe being in fluid communication with one or more detectors,] and

detecting the reaction products or unreacted reactants to determine the efficacy of the six or more catalyst candidates.

** New claims 98-104 are added.